

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): An electronic device, comprising:

a mounting means for loading device which loads a portable recording medium; and

an encrypted information write means for writing device which writes encrypted information obtained by encrypting predetermined information using an electronic device unique key unique to the electronic device, and an electronic device unique key encrypted using a recording medium unique key unique to the recording medium, in the recording medium;

characterized by the electronic device further comprising:

an authentication means for authenticating device with authenticates medium

identification information for identifying the recording medium, and device identification information for identifying the electronic device, in the case where the recording medium is mounted on the mounting means device;

a key generating means for generating device which generates a common encryption key for encrypting or decrypting the electronic device unique key in accordance with the authentication result of the authentication means device;

an encrypted information read means for reading device which reads the encrypted information recorded in the recording medium, and the encrypted electronic device unique key;

an acquiring means for forwarding device which forwards the read electronic device unique key to a control portion for the recording medium, and acquiring the electronic device unique key encrypted by the common encryption key from the control portion, after the electronic device unique key is decrypted by the recording medium unique key in the control portion;

a decryption execution means for decrypting device which decrypts the acquired electronic device unique key by the common encryption key, and executing the decryption of the encrypted information using the decrypted electronic device unique key; and

a control means for setting device which sets the electronic device in usable mode in the case where the encrypted information is decrypted by the decryption execution means device.

Claim 2 (Currently Amended): The electronic device as set forth in claim 1, characterized by further comprising a volatile memory for holding the information, and a load request means for determining device which determines whether the memory is in the information holding mode in the case where power is supplied to the electronic device with the recording medium not loaded in the mounting means device, and in the case where the memory is not in the information holding mode, prompting the user to load the recording medium.

Claim 3 (Currently Amended): The electronic device as set forth in claim 1 [[or 2]], characterized in that wherein the control means device determines whether the information obtained by decrypting the encrypted information and the preset information coincide with each other, and in the case where they coincide with each other, sets the electronic device in usable mode.

Claim 4 (Currently Amended): The electronic device as set forth in claim 1 [[or 2]], characterized by further comprising an alarm means for outputting device which outputs an alarm in the case where the encrypted information is not decrypted by the decryption execution means device.

Claim 5 (Currently Amended): A method of controlling an electronic device comprising: a mounting means for loading device which loads a portable recording medium; and an encrypted information write means for writing device which writes encrypted information obtained by encrypting predetermined information using an electronic device unique

key unique to the electronic device, and an electronic device unique key encrypted using a recording medium unique key unique to the recording medium, in the recording medium;

characterized by comprising the steps of the method comprising the processes of:

authenticating medium identification information for identifying the recording medium, and device identification information for identifying the electronic device, in the case where the recording medium is mounted on the mounting means device;

generating a common encryption key for encrypting or decrypting the electronic device unique key in accordance with the authentication result;

reading the encrypted information recorded in the recording medium, and the encrypted electronic device unique key;

forwarding the read electronic device unique key to a control portion for the recording medium, and acquiring the electronic device unique key encrypted by the common encryption key from the control portion, after the electronic device unique key is decrypted by the recording medium unique key in the control portion;

decrypting the acquired electronic device unique key by the common encryption key, and executing the decryption of the encrypted information using the decrypted electronic device unique key; and

setting the electronic device in usable mode in the case where the encrypted information is decrypted.

Claim 6 (Currently Amended): A security program characterized in that a computer included in an electronic device comprising:

a mounting means for loading device which loads a portable recording medium; and

an encrypted information write means for writing device which writes encrypted information obtained by encrypting predetermined information using an electronic device unique

key unique to the electronic device, and an electronic device unique key encrypted using a recording medium unique key unique to the recording medium, in the recording medium;

is caused to function as:

authenticating medium identification information for identifying the recording medium, and device identification information for identifying the electronic device, in the case where the recording medium is mounted on the mounting ~~means~~ device;

generating a common encryption key for encrypting or decrypting the electronic device unique key in accordance with the authentication result;

reading the encrypted information recorded in the recording medium, and the encrypted electronic device unique key;

forwarding the read electronic device unique key to a control portion for the recording medium, and acquiring the electronic device unique key encrypted by the common encryption key from the control portion, after the electronic device unique key is decrypted by the recording medium unique key in the control portion;

decrypting the acquired electronic device unique key by the common encryption key, and executing the decryption of the encrypted information using the decrypted electronic device unique key; and

setting the electronic device in usable mode in the case where the encrypted information is decrypted.

Claim 7 (Currently Amended): A recording medium characterized in that in which the security program described in claim 6 is recorded in a computer readable form.